#### (12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

# (19) World Intellectual Property Organization International Bureau





(43) International Publication Date 19 May 2005 (19.05.2005)

**PCT** 

## (10) International Publication Number WO 2005/044739 A1

(51) International Patent Classification<sup>7</sup>:

C02F 1/467

(21) International Application Number:

PCT/IB2003/004951

(22) International Filing Date:

5 November 2003 (05.11.2003)

(25) Filing Language:

English

(26) Publication Language:

English

- (71) Applicant (for all designated States except US): AN-TENNA TECHNOLOGY [CH/CH]; Rue de Neuchâtel 29, CH-1201 Genève (CH).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): PELLET, Ives [FR/FR]; 1090 Route de Bellevue, F-01280 Prevessin-Moins (FR). FALQUET, Jacques [CH/CH]; Avenue A.F. Dubois 31, CH-1217 Meyrin (CH). MENUT, Jean-Baptiste [CH/CH]; Ch. des Viognes 9, CH-1260 Nyon (CH).

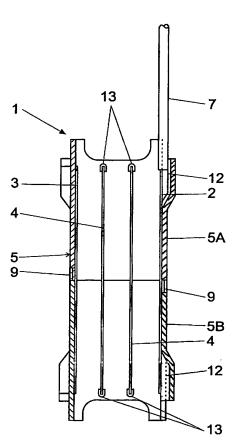
- (74) Agent: ISLER, Jörg; Isler & Isler, Postfach 2402, CH-6342 Baar (CH).
- (81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (regional): ARIPO patent (BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

#### Declaration under Rule 4.17:

of inventorship (Rule 4.17(iv)) for US only

[Continued on next page]

(54) Title: ELECTROLYTIC CELL AND METHOD OF ASSEMBLING AND OPERATION OF AN ELECTROLYTIC CELL



(57) Abstract: An electrolytic cell (1) for the production of a halogen biocide from an aqueous solution with an electrolyses process comprises an enclosure (5) and electrode plates (2, 3, 4). The enclosure (5) consists of two parts which are connected by at least one connector (9). Only few components are used to build up the cell. This allows easy manufacturing of the cell, also in developing countries.

WO 2005/044739 A1

### WO 2005/044739 A1



#### Published:

- with international search report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.